

IN THE CLAIMS

Please cancel Claims 21, 27, 30-34, 36, 42, 45-49 and 51 without prejudice to or disclaimer of the subject matter recited therein.

Please amend Claims 20, 25, 29, 35, 37, 38, 40, 43, 44 and 50 as follows.

1-19. (Canceled)

20. (Currently Amended) A printing system in which an image sensing apparatus and a printing apparatus directly communicate with each other, and said printing apparatus prints an image transmitted from the image sensing apparatus,

wherein said image sensing apparatus comprises:

a first reception unit configured to receive ~~the~~ function information of the printing apparatus from the printing apparatus;

an extraction unit configured to analyze image data of an image file to be printed and extract a feature amount of the image data;

a generation unit configured to generate a data file which is a file independent from the image file and describes the feature amount extracted by said extraction unit, where the kind of the feature amount is determined in accordance with the function information received by said reception unit, ~~a data file, which is independent of an image file, describing data for image correction;~~ and

a first transmission unit configured to transmit ~~an image~~ files of the data file generated by said generation unit and the ~~data~~ image file to said printing apparatus;

said printing apparatus comprises:

a second transmission unit configured to transmit the function information of said printing apparatus from said printing apparatus to said image sensing apparatus;

a second reception unit configured to receive the ~~image file and~~ files of the data file and the image file transmitted by said first transmission unit;

a correction unit configured to correct image data of the image file received by said first reception unit on the basis of the received data file; and

a printing unit configured to print an image in accordance with the image data corrected by said correction unit,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

21. (Cancelled)

22. (Previously Presented) The system according to claim 21, wherein said image sensing apparatus further comprises a designation unit configured to designate an image to be transmitted to said printing apparatus,

wherein said extraction unit extracts the feature amount from the image designated by said designation unit.

23. (Previously Presented) The system according to claim 21, wherein said extraction unit generates a histogram of brightness, saturation, or hue as the feature amount.

24. (Previously Presented) The system according to claim 20, wherein said printing apparatus determines a parameter for correction in accordance with the data file and corrects the received image using the determined parameter.

25. (Currently Amended) An image sensing apparatus which can communicate with a printing apparatus, said image sensing apparatus comprising:

a reception unit configured to receive ~~the~~ function information of the printing apparatus from the printing apparatus;

an extraction unit configured to analyze image data of an image file to be printed and extract a feature amount of the image data;

a generation unit configured to generate~~[[,]]~~ a data file which is a file independent from the image file and describes the feature amount extracted by said extraction unit, where the kind of the feature amount is determined in accordance with the function information received by said reception unit,~~a data file, which is independent of an image file, describing data for image correction; and~~

a transmission unit configured to transmit ~~an image~~ files of the data file and the ~~data~~ image file to said printing apparatus,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

26. (Previously Presented) The image sensing apparatus according to claim 25, further comprising a designation unit configured to designate an image to be transmitted to said printing apparatus,

wherein said transmission unit transmits the data file to said printing apparatus before the image designated by said designation unit is transmitted to said printing apparatus.

27. (Cancelled)

28. (Previously Presented) The image sensing apparatus according to claim 27, further comprising a designation unit configured to designate an image to be transmitted to said printing apparatus,

wherein said extraction unit extracts the feature amount from the image designated by said designation unit.

29. (Currently Amended) The ~~system~~ image sensing apparatus according to claim 27, wherein said extraction unit generates a histogram of brightness, saturation, or hue as the feature amount.

30-34. (Cancelled)

35. (Currently Amended) A method of controlling an image sensing apparatus and a printing apparatus which directly communicate with each other, and said printing apparatus prints an image transmitted from the image sensing apparatus, comprising:

a first reception step of receiving function information of the printing apparatus from the printing apparatus;

an extraction step of analyzing image data of an image file to be printed and extracting a feature amount of the image data;

a generation step of generating~~[[,]]~~ a data file which is a file independent from the image file and describes the feature amount extracted by said extraction step, where the kind of the feature amount is determined in accordance with the function information received by said first reception step, ~~a data file, which is independent of an image file, describing data for image correction;~~ and

a first transmission step of transmitting ~~an image file and the~~ files of the data file generated by said generation step and the image file to said printing apparatus;

a second transmission step of transmitting the function information of said printing apparatus from said printing apparatus to said image sensing apparatus;

a second reception step of receiving ~~the image file and~~ the files of the data file and the image file transmitted by said first transmission step;

a correction step of correcting image data of the image file received by said first reception step on the basis of the received data file; and

a printing step of printing an image in accordance with the image data corrected by said correction step,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

36. (Cancelled)

37. (Currently Amended) The method according to claim ~~[[36]]~~ 35, wherein said image sensing apparatus further comprises a designation step of designating an image to be transmitted to said printing apparatus,

wherein said extraction unit extracts the feature amount from the image designated by said designation unit.

38. (Currently Amended) The method according to claim ~~[[36]]~~ 35, wherein said extraction step generates a histogram of brightness, saturation, or hue as the feature amount.

39. (Previously Presented) The method according to claim 35, wherein the correction step determines a parameter in accordance with the data file and corrects the received image using the determined parameter.

40. (Currently Amended) A method whereby an image sensing apparatus communicates with a printing apparatus, comprising:

a reception step of receiving function information of the printing apparatus from the printing apparatus;

an extraction step of analyzing image data of an image file to be printed and extracting a feature amount of the image data;

a generation step of generating; a data file which is a file independent from the image file and describes the feature amount extracted by said extraction step, where the kind of the feature amount is determined in accordance with function information received by said reception step; ~~a data file, which is independent of an image file, describing data for image correction;~~ and

a transmission step of transmitting files of the data ~~an image file and a data the~~ image file to said printing apparatus,

wherein the data file is transmitted from said image sensing apparatus to said printing apparatus before the image file is transmitted from said image sensing apparatus to said printing apparatus.

41. (Previously Presented) The image sensing method according to claim 40, further comprising a designation step of designating an image to be transmitted to said printing apparatus,

wherein said transmission step transmits the data file to said printing apparatus before the image designated by said designation step is transmitted to said printing apparatus.

42. (Cancelled)

43. (Currently Amended) The image sensing method according to claim ~~[[42]]~~ 40, further comprising a designation step of designating an image to be transmitted to said printing apparatus,

wherein said extraction step extracts the feature amount from the image designated by said designation step.

44. (Currently Amended) The method according to claim ~~[[42]]~~ 40, wherein said extraction step generates a histogram of brightness, saturation, or hue as the feature amount.

45-49. (Cancelled)

50. (Currently Amended) A ~~storage medium~~ computer-readable ~~by an image sensing apparatus and storing a~~ encoded with a computer program communicating with a printing apparatus, for implementing a method, comprising:

a reception step of receiving function information of the printing apparatus from the printing apparatus;

an extraction step of analyzing image data of an image file to be printed and extract a feature amount of the image data;

a generation step of generating~~[[,]]~~ a data file which is a file independent from the image file and describes the feature amount extracted by said extraction step, where the kind of the feature amount is determined in accordance with the function information

received by said reception step, ~~a data file, which is independent of an image file,~~
~~describing data for image correction; and~~

a transmission step of transmitting ~~an image file and a~~ files of the data file and the
image file to said printing apparatus,

wherein the data file is transmitted from said image sensing apparatus to said
printing apparatus before the image file is transmitted from said image sensing apparatus to
said printing apparatus.

51. (Cancelled)